variety of bushings of various lengths, the stud C being made to

suit the longest piece of work.

Clamps that have a tendency to draw the work down firmly onto the rest-pins or stops are useful in all classes of fixtures. Fig. 4 illustrates a simple means of accomplishing this. Care should be taken to see that the stop is pivoted above the point A. Another and more rigid device is illustrated in Fig. 5. The plunger A, carried in plunger B, is forced down against the 45-de-gree side of stop C_7 compressing spring D. A fixture that clamps two clamps with a "down-and-in" pressure is illustrated in Fig. 6.

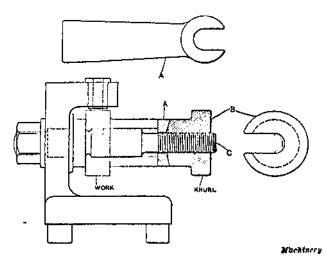


Fig. 3. Means used for Clamping Bushing when the Work Varies in Length

Slides B are equalised by strap C and ball-andsocket washers D and E. This fixture is useful for milling and profiling, as the clamps and stops are below the surface of the work. Fig. 7 shows two down-ancl-in clamps equalized for holding a round piece of

bored work for a milling operation. Lever A 5s tapped to receive screw B_j and the clamping pressure equalizes with lever C by means of rod D. Levers A and C impart a down-and-in pressure to plungers E. This fixture can be applied to flat work. In the double movement clamp shown in Fig. 8, the clamp A is carried by the hinge B, pivoted at C. Screw E gives clamp A'